

WHAT IS CLAIMED IS:

*Sybil* 1. An electronic fuel injector comprising a movable part having a valve member provided at a fore end of said movable part, and a swirler for swirling fuel and guiding movement of said valve member provided at the fore end of said movable part.

wherein said swirler is formed of a powder sintered compact of stainless steel having corrosion resistance and wear resistance.

2. An electronic fuel injector according to Claim 1, wherein martensitic stainless steel is used as a material of said swirler formed of a powder sintered compact.

3. An electronic fuel injector according to Claim 1, wherein said swirler formed of a powder sintered compact has hardness not less than 90 HRB after sintering.

4. An electronic fuel injector according to Claim 1, wherein said swirler formed of a powder sintered compact has density not less than 6.5 after sintering.